

Data Required to Assess Radiological Impacts of Reclaiming the  
Jackpile-Paguete Mine

1. Characteristics of the mine:

Table of Jackpile-Paguete Mine Surface Conditions After Rerouting  
of the Road 279 but Before Reclamation.

Site Designation	Area	Source	$\frac{\text{pCi } ^{238}\text{U}}{\text{g}}$	$\mu\text{R/hr}$
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- (a) Site designation = the site designation conforming to Anaconda map plate 4.1-2 (Jackpile-Paguete Mine surface conditions reclamation plan).
  - (b) The area of each designated site including the slopes.
  - (c) Source = the material type, for example mixture of mine waste (shale and baven sandstone).
  - (d) Estimated specific activity of uranium (U-238) in each site, for example measured in a composite sample collected over each surface area.
  - (e) Average exposure  $\mu\text{R/hr}$  including the range from the highest to the lowest exposure measured over the site at a height of 3 ft. The technique previously utilized by the Anaconda staff for the measurement of average exposure is adequate.
2. Average U-238 specific activity of the top soil to be used for top dressing of the reclaimed sites.
  3. Average background external exposure ( $\mu\text{R/hr}$ ) measured at 3 ft from the ground, at four areas remote from Jackpile Mine and other exposure rate anomalies.
  4. Daily average and the hourly radon concentrations measured in air at the monitoring stations (continuous-monitoring technique).
  5. Specific activity of uranium and radium in the drinking water of the neighboring villages.
  6. Specific activity of airborne particulates measured on site (monitoring stations) and background (if available).



# United States Department of the Interior

GEOLOGICAL SURVEY  
South Central Region  
P. O. Box 26124  
Albuquerque, New Mexico 87125

October 27, 1981

Mr. William E. Grey  
Chairman  
Anaconda EIS Team  
555 17th Street  
Denver, Colorado 80217

Dear Mr. Grey:

The following information is needed by the Council of Energy Resource Tribes before they can complete their socio-economic study for the Jackpile-Paguate Environmental Impact Statement. Please provide this information as soon as possible.

1. Current employment at the mine:
  - a. Number of underground personnel.
  - b. Number of surface personnel.
  - c. Percent Indian for a and b above.
2. Current employment at the Bluewater Mill, and percent Indian.
3. Number of people who have bumped at the mill:
  - a. Percent Indian bumped.
  - b. Percent Indian bumping.
4. Number of people who have taken early retirement at the mine and mill since July 1980, and the percent Indian.
5. Number of people who have taken regular retirement at the mine and mill since July 1980, and the percent Indian.
6. Will Anaconda continue to give preferential hiring to Indians during reclamation?

7. Please provide an employment phase-out schedule for mining and milling personnel.
8. Please provide an estimate of the number of workers needed during reclamation by month and by skill.
9. Please provide a pay scale for reclamation personnel.
10. What will Anaconda's policy be regarding re-employment and relocation of reclamation workers as they are layed off?

Thank you,

(ORIG. SGD.) MARC E. NELSON

Marc E. Nelson  
EIS Task Force Leader

cc:  
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MENelson:ab: 10-27-81